Suzette Person
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Education

B.S.	Computer Science, Iowa State University (May 1984)
Certificate	Leadership & Management for Scientists and Engineers, University of California, San Diego (May 1990)
M.S.	Software Engineering, National Technological University (Aug 2004)
Ph.D.	Software Engineering, University of Nebraska-Lincoln (Aug 2009)

Employment History

08/2021 — present	Professor of Practice, Computer Science and Engineering	University of Nebraska, Lincoln, NE
01/2015 — 08/2021	Associate Professor of Practice, Computer Science and Engineering	University of Nebraska, Lincoln, NE
01/2015 — present	Director, Software Engineering Program Computer Science and Engineering	University of Nebraska, Lincoln, NE
08/2009 - 01/2015	Research Computer Scientist	NASA Langley Research Center, Hampton, VA
05/2008 - 08/2008	Google Summer of Code Intern	NASA Ames JPF Project, Lincoln, NE
05/2007 - 08/2007	Summer Intern, Mission Critical Technologies, Inc.	NASA Ames Research Center, Mountain View, CA
07/2004 - 08/2009	Graduate Research Assistant, Computer Science and Engineering	University of Nebraska-Lincoln Lincoln, NE
07/2002 - 07/2004	Lecturer, Computer Science and Engineering	University of Nebraska-Lincoln Lincoln, NE
07/2002 - 07/2004	Director, Great Plains Software Tech. Init. Computer Science and Engineering	University of Nebraska-Lincoln Lincoln, NE
10/1998 - 07/2002	Senior Software Consultant	Renaissance Worldwide, Inc. Omaha, NE
10/1994 - 10/1997	Software Team Leader	Metromail Lincoln, NE
03/1986 - 04/1993	Senior Software Engineer	TeleSoft, Inc. San Diego, CA

Teaching

Curriculum and Course Development

1. Project Lead in the design, development and evolution of the UNL Software Engineering major:
    - Established the vision for the novel UNL "Software Engineering First" curriculum.
    - Led design of the curriculum (e.g., eight new courses, four-year plan, etc.).
    - Primary author of the major proposal and supporting documents.
    - Led development of materials and training for university and college recruiting and advising teams.
    - Provided support to UNL Registrar for programming the degree audit.
    - Coordinated program with honors programs.
    - Established program and course assessment plans (IRB Project 18598 and IRB Project 18911).
2. Project lead in the design, development and evolution of three (of four) novel courses in the Software Engineering core curriculum:
    - Co-authored course materials (lectures, labs, assignments, assessments and capstone projects) based on active learning and evidence-based instructional strategies.
    - Co-authored first-year textbook: Software Engineering Notes I: An Introduction to Software Engineering and Computing.
3. Member of the "Reinvent Computer Science Curriculum" Project, 2003 - 2004.

Courses Taught

- UNL SOFT 160: Software Engineering I, Fall 2021 (Co-Instructor: Dr. C. Bohn)
- UNL CSCE 495: Internship in Computing Practice, Fall 2021.
- UNL CSCE 491: Internship in Computing Practice, Summer 2021.
- UNL CSCE 491: Internship in Computing Practice, Spring 2021.
- UNL SOFT 160: Software Engineering I, Fall 2020 (Co-Instructor: Dr. C. Bohn)
- UNL CSCE 491: Internship in Computing Practice, Fall 2020.
- UNL CSCE 491: Internship in Computing Practice, Summer 2020.
- UNL CSCE 491: Internship in Computing Practice, Spring 2020.

- UNL SOFT 261: Software Engineering IV, Spring 2020 (Co-Instructor: Dr. B. Garvin)
- UNL CSCE 491: Internship in Computing Practice, Fall 2019.
- UNL SOFT 160: Software Engineering I, Fall 2019 (Co-Instructor: Dr. M. Al-Tarazi)
- UNL CSCE 491: Internship in Computing Practice, Summer 2019.
- UNL SOFT 161: Software Engineering II, Spring 2019 (Co-Instructors: Dr. B. Garvin, Dr. C. Bohn)
- UNL SOFT 261: Software Engineering IV, Spring 2019 (Co-Instructor: Dr. B. Garvin)
- UNL CSCE 491: Internship in Computing Practice, Spring 2019.
- UNL SOFT 160: Software Engineering I, Fall 2018 (Co-Instructor: Dr. B. Garvin)
- UNL CSCE 491: Internship in Computing Practice, Fall 2018.
- UNL CSCE 491: Internship in Computing Practice, Summer 2018.
- UNL SOFT 161: Software Engineering II, Spring 2018 (Co-Instructor: Dr. B. Garvin)
- UNL SOFT 261: Software Engineering IV, Spring 2018 (Co-Instructor: Dr. B. Garvin)
- UNL SOFT 160: Software Engineering I, Fall 2017 (Co-Instructor: Mr. B. Garvin)
- UNL SOFT 161: Software Engineering II, Spring 2017 (Co-Instructor: Mr. B. Garvin)
- UNL SOFT 160: Software Engineering I, Fall 2016 (Co-Instructor: Mr. B. Garvin)
- UNL CSCE 425/825: Compiler Construction, Fall 2015
- UNL CSCE 464/864: Internet Programming, Spring 2004 (Co-Instructor: Dr. S. Reichenbach)
- UNL JDEP 302H: Design Studio II , Spring 2004 (Co-Instructor: Dr. S. Swenseth)
- UNL JDEP 402H: Design Studio IV, Spring 2004 (Co-Instructor: Dr. S. Swenseth)
- UNL JDEP 301H: Design Studio I, Fall 2003 (Co-Instructor: Dr. S. Swenseth)
- UNL JDEP 401H: Design Studio III, Fall 2003 (Co-Instructor: Dr. S. Swenseth)
- UNL JDEP 302H: Design Studio II , Spring 2003 (Co-Instructor: Dr. S. Swenseth)
- UNL JDEP 402H: Design Studio IV, Spring 2003 (Co-Instructor: Dr. S. Swenseth)
- UNL JDEP 301H: Design Studio I, Fall 2002 (Co-Instructor: Dr. S. Swenseth)
- UNL JDEP 401H: Design Studio III, Fall 2002 (Co-Instructor: Dr. S. Swenseth)

Graduate Students

1. Cameron Cunning, M.S. Project Committee Member, "Protect Test: Instantaneous Feedback for Failing Selenium Tests," University of Nebraska-Lincoln, Fall 2017.
2. Zhen Hu, M.S. Thesis Committee Member, "SEMEO: A Semantic Equivalence Analysis Framework for Obfuscated Android Applications," University of Nebraska-Lincoln, Fall 2016.
3. Matias Waterloo, M.S. Supervisory Committee Member, "Improving the Efficiency of CI with Uber-commits," University of Nebraska-Lincoln, Summer 2016.
4. Yurong Wang, M.S. Thesis Committee Member, "Test Advising Framework," University of Nebraska-Lincoln, Spring 2013.
5. Baishaki Ray, Ph.D. Committee Member, "Analysis of Cross-System Porting and Porting Errors in Software Projects," University of Texas at Austin, Summer 2013.

Undergraduate Students

1. *Ethan Bütt*: Senior Honors Thesis Co-Advisor, 2020 – 2021
2. *Adam Gray*: Senior Honors Thesis Co-Advisor, 2020 – 2021
3. *Colin Maly*: Senior Honors Thesis Co-Advisor, 2020 – 2021
4. *Conner Hallett*: Senior Honors Thesis Co-Advisor, 2020 – 2021
5. *Adrian Pilkington*: Senior Honors Thesis Co-Advisor, 2020 – 2021
6. Ethan Dyas; Spring 2020; SOFT 261 Honors Contract Co-Supervisor.
7. Jaden Goter; Spring 2020; SOFT 261 Honors Contract Co-Supervisor.
8. Jessie Guo; Spring 2020; SOFT 261 Honors Contract Co-Supervisor.
9. Andrew Hazel; Spring 2020; SOFT 261 Honors Contract Co-Supervisor.
10. Emma Hubka; Spring 2020; SOFT 261 Honors Contract Co-Supervisor.
11. Caleb Marcoux; Spring 2020; SOFT 261 Honors Contract Co-Supervisor.
12. Camden Obertop; Spring 2020; SOFT 261 Honors Contract Co-Supervisor.
13. Isaac Lien; Fall 2019; SOFT 160 Honors Contract Co-Supervisor.
14. Jaden Goter; Spring 2019; SOFT 161 Honors Contract Co-Supervisor.
15. Thomas Braccia; Spring 2019; SOFT 161 Honors Contract Co-Supervisor.

16. Conner Hallett; Spring 2019; SOFT 261 Honors Contract Co-Supervisor.
17. Ethan Bütt; Spring 2019; SOFT 261 Honors Contract Co-Supervisor.
18. Caleb Marcoux; Fall 2018; SOFT 160 Honors Contract Co-Supervisor.
19. Jasmine Boyer; Spring 2018; SOFT 261 Honors Contract Co-Supervisor.
20. Jacob Petersen; Spring 2018; SOFT 261 Honors Contract Co-Supervisor.
21. Brooke Lampe; Spring 2018; SOFT 261 Honors Contract Co-Supervisor.
22. Conner Hallett; Spring 2018; SOFT 161 Honors Contract Co-Supervisor.
23. Nick Kozisek; Spring 2018; SOFT 161 Honors Contract Co-Supervisor.

Teaching Awards and Recognition

1. UNL Advanced Peer Review of Teaching Program Fellowship, 2021.
2. "Holling Family Distinguished Senior Faculty Teaching Award", College of Engineering, University of Nebraska-Lincoln, 2020.
3. "UNL Parents Association Certificate of Recognition for Contributions to Students Award, University of Nebraska-Lincoln, 2019, 2020.
4. UNL Faculty Learning Community Program Fellowship, 2018-2019.
5. UNL Advanced Peer Review of Teaching Program Fellowship, 2018-2019.
6. UNL Peer Review of Teaching Program Fellowship, 2017-2018.
7. UNL Learning by Design Program (ARISE) Fellowship, Fall 2015.
8. UNL Peer Instruction Program (ARISE) Fellowship, Fall 2015.

Teaching Improvement Initiatives

- Lead Primary Investigator for "Peer Review of Teaching: A Case Study on the Effectiveness of Team Teaching" (IRB Project 20210721209EX), 2021 - present.
- Co-author of CSE Peer Review of Teaching process with Dr. Leen-Kiat Soh (2020).
- Secondary Investigator for "JGEN 200 Assessment of Instructional Strategies and Techniques for Technical Communications" (IRB Project 19550), 2019 - present.
- Lead Primary Investigator for "First-Year CSE Instructional Assessment" (IRB Project 18598), 2018 - present.

- Primary Investigator for "Assessment of Instructional Techniques to Help Students Improve Peer Feedback" (IRB Project 18911), 2018 - present.
- Led development of teaching rubrics for CSE teaching faculty (2015).

Scholarship of Teaching and Learning

Education-Related Conference Publications

1. E. Bütt, S. Person, C. Bohn, "Student-Sponsored Projects in a Capstone Course: Reflections and Lessons Learned," in Proceedings of the *44th International Conference on Software Engineering (ICSE 2022) Software Engineering Education and Training track*, Pittsburg, PA, May 2022. (to appear) (*acceptance rate: 34%*)
2. C. Maly, S. Person, L.-K. Soh, SE-First: A New Approach to Software Engineering Eduction, in Proceedings of the *2021 IEEE Frontiers in Education Conference,* pages 1–9, Lincoln, NE, October 2021. (*acceptance rate: unknown*)
3. S. Elbaum, S. Person, J. Dokulil, and M. Jorde, Bug Hunt: Making Early Software Testing Lessons Engaging and Affordable. In *Proceedings of the 29th International Conference on Software Engineering (Education Paper)*, pages 688–697, Minneapolis, MN, USA, May 2007. (*acceptance rate: unknown*)
4. L.-K. Soh, A. Samal, S. Person, G. Nugent, and J. Lang, "Analyzing Relationships between Closed Labs and Course Activities in CS1", in Proceedings of the 10th Annual SIGCSE Conference on Innovation and Technology in Computer Science Education, pages 183–187, Monte de Caparica, Portugal, June 2005. (*acceptance rate: 30%*)
5. G. Nugent, L.-K. Soh, A. Samal, S. Person, and J. Lang, "Design, Development, and Validation of Learning Objects for CS1", in Proceedings of the 10th Annual SIGCSE Conference on Innovation and Technology in Computer Science Education, pages 370, Monte de Caparica, Portugal, June 2005. (*acceptance rate: 30%*)
6. L.-K. Soh, A. Samal, S. Person, G. Nugent, J. Lang, "Designing, Implementing, and Analyzing a Placement Test for Introductory CS Courses", in Proceedings of the 36th SIGCSE Technical Symposium on Computer Science Education, February 2005. (*acceptance rate: 32%*)
7. L.-K. Soh, A. Samal, S. Person, G. Nugent, J. Lang, "Closed Laboratories with Embedded Instructional Research Design for CS1", in Proceedings of the 36th SIGCSE Technical Symposium on Computer Science Education, February 2005. (*acceptance rate: 32%*)

Other Education-Related Publications

1. S. Person, Teaching Communication Skills in a Computing Course: An Experience Report (Poster), *UNL Peer Review of Teaching Program, University of Nebraska–Lincoln*, May 2019.

2. S. Person, Teaching Communications Skills in Context: An Experience Report, *UNL Discipline-based Education Research Seminar, University of Nebraska–Lincoln*, April 4, 2019.

3. S. Person, Benchmark Portfolio for SOFT 261: Software Engineering IV, *UNL Digital Commons, University of Nebraska–Lincoln*, 2019.

Service

Professional Service

Journal Reviews

1. Reviewer, *IEEE Transactions on Software Engineering*; 2013 (1 review), 2015 (1 review), 2016 (1 review).

2. Reviewer, *ACM Transactions on Software Engineering and Methodology*; 2010 (1 review), 2011 (1 review), 2012 (1 review).

Conference Committees

1. Member, Technical Program Committee, *IEEE/ACM International Conference on Software Engineering (ICSE)*, Buenos Aires, Argentina, 2017.

2. Member, Tools Program Committee, *International Symposium on Software Testing and Analysis (ISSTA)*, Santa Barbara, CA, USA, 2017.

3. *Co-Chair*, Workshops Committee, *International Symposium on Software Testing and Analysis (ISSTA)*, Santa Barbara, CA, USA, 2017.

4. Member, Visions and Reflections Track Program Committee, *Foundations of Software Engineering (FSE)*, Seattle, WA, USA, 2016.

5. Member, Technical Program Committee, *Java PathFinder Workshop*, Seattle, WA, USA, 2016.

6. Member, Technical Program Committee, *IEEE/ACM International Conference on Software Engineering (ICSE)*, Austin, TX, USA, 2016.

7. Member, Technical Program Committee, *IEEE International Conference on Software Testing, Verification and Validation (ICST)* , Chicago, IL, USA, 2016.

8. Member, Organizing Committee (Finance Chair), *IEEE/ACM International Conference on Automated Software Engineering (ASE)*, Lincoln, NE, USA, 2015.

9. Member, Expert Review Panel, *IEEE/ACM International Conference on Automated Software Engineering (ASE)*, Lincoln, NE, USA, 2015.

10. Member, Technical Program Committee, *IEEE/ACM International Conference on Software Engineering (ICSE)*, Florence, Italy, 2015.

11. Member, Technical Program Committee, *International Symposium on Software Testing and Analysis (ISSTA)*, Baltimore, MD, USA, 2015.

12. Member, Technical Program Committee, *Workshop on Formal-IDE (F-IDE)*, Oslo, Norway, 2015.

13. Member, Technical Program Committee, *International Symposium on Model Checking of Software (SPIN)*, Stellenbosch, South Africa, 2015.

14. Member, Technical Program Committee, *NASA Formal Methods Symposium*, Pasadena, CA, USA, 2015.

15. Member, Technical Program Committee, *International Symposium on Software Testing and Analysis (ISSTA)*, San Jose, CA, USA, 2014.

16. Member, Technical Program Committee, *International Symposium on Model Checking of Software (SPIN)*, San Jose, CA, USA, 2014.

17. Member, Technical Program Committee, *Workshop on Formal-IDE (F-IDE)*, Grenoble, France, 2014.

18. Member, Technical Program Committee, *NASA Formal Methods Symposium*, Houston, TX, USA, 2014.

19. Member, Student Research Competition Committee, *IEEE/ACM International Conference on Software Engineering (ICSE)*, San Francisco, CA, USA, 2013.

20. Member, Steering Committee, *NASA Formal Methods Symposium*, 2013-2015.

21. Member, Program Committee (Software Engineering Track), *Grace Hopper Celebration of Women Conference*, Minneapolis, MN, USA, 2013.

22. Member, Technical Program Committee, *Java PathFinder Workshop*, Palo Alto, CA, USA, 2013.

23. Member, Technical Program Committee, *Workshop on Program Analysis for Software Tools and Engineering (PASTE)*, Seattle, WA, USA, 2013.

24. Member, Technical Program Committee, *NASA Formal Methods Symposium*, Moffett Field, CA, USA, 2013.

25. Member, Steering Committee, *NASA Formal Methods Symposium*, 2013-2015.

26. *Co-Chair*, Organizing Committee, *NASA Formal Methods Symposium*, Norfolk, VA, USA, 2012.

27. Member, Technical Program Committee, *International Conference on Runtime Verification*, San Francisco, CA, USA, 2011.

Professional Organization Memberships

1. Member, ACM since 2010.

Service Awards

1. "CSE Department Recognition Award," Department of Computer Science and Engineering, University of Nebraska-Lincoln, 2016.

College Service

1. *Vice-Chair* CoE Academic Standards and Curriculum Committee (2020 - present).

2. Member, CoE Academic Standards and Curriculum Committee (2016 - present).

3. *Co-Chair*, CoE Technical Writing Subcommittee (2018 - present).

4. Member, CoE Academic Advising Task Force, 2019 – present

5. Member, CoE Academic Appeals Subcommittee (2018 - present).

6. Member, CoE First Year Engineering Committee (2018 - 2019).

7. CoE NUBE Camp (2018 - 2021).

8. Member, CoE Task Force on Undergraduate Education (2017 -2018).

Department Service

1. *Director*, Software Engineering Program, CSE (2015 - present).

2. *Faculty Advisor*, Software Engineering Majors Post-Professional Admission, CSE (2018 - present).

3. Project Sponsor, CSE Senior Design (2020 - present).

4. Member, CSE Leadership Team to form the School of Computing (2019-2021).

5. Member, UNL School of Computing Planning Committee (2019-2021).
6. Member, UNL School of Computing Cabinet (2021 - present).
7. *Chair*, CSE Curriculum Committee (2018 - present).
8. *Chair*, CSE Professor of Practice Search Committee (2019, 2016).
9. Member, Raikes CSE Professor of Practice Search Committee (2019, 2018, 2017).
10. Member, CSE Professor of Practice Search Committee (2018).
11. Member, CSE Advising Committee (2018 - present).
12. Member, CSE Advisory Committee (2017 - 2021).
13. NCWIT Aspirations in Computing Student Award and Educator Award reviewer (2016 - 2018).
14. *Co-Chair*, CSE Teaching and Learning Improvement Committee (2016 - present).
15. Member, CSE Assessment Committee (2016 - 2017).
16. Member, CSE Tenure Track Faculty Search Committee (2016, 2015).
17. Member, CSE Curriculum Committee (2015 - present).
18. Coach, CSE Senior Design (2015 - 2017).
19. Member, Holland Computing Center Software Engineer Search Committee (2016).
20. Member, Raikes Program Project Manager Search Committee (2016).
21. Member, CSE Professional Advisor Search Committee (2016).
22. Member, CSE Diversity Committee (2015 - 2016).
23. Member, Raikes Program Senior Development Manager Search Committee (2015).

Research

Peer Reviewed Journal Publications

1. G. Yang, S. Person, N. Rungta, and S. Khurshid, Directed Incremental Symbolic Execution. In *ACM Transactions on Software Engineering and Methodology (TOSEM)*, Vol. 24, No. 1, Article 3, Sept. 2014.
2. S. Person, and N. Rungta, Maintaining the Health of Software Monitors. In *Innovations in Systems and Software Engineering Journal, Special Issue on Software Health Management*, Vol. 9, Issue 4 (2013), pp. 257–269.

Peer Reviewed Conference Proceedings

1. B. Hillery, E. Mercer, N. Rungta, and S. Person, Exact Heap Summaries for Symbolic Execution. In *Proceedings of the International Conference on Verification, Model Checking and Abstract Interpretation*, pages 206–225, St. Peterburg, FL, USA, January 2016. (*acceptance rate: 38%*)

2. M. Whalen, S. Person, N. Rungta, M. Staats, and D. Grijincu, A Flexible and Non-intrusive Approach for Computing Complex Structural Coverage Metrics. In *Proceedings of the International Conference on Software Engineering*, pages 506–516, Florence, Italy, May 2015. (*acceptance rate: 18.5%*)

3. A. Murugesan M. Whalen, N. Rungta, O. Tkachuk, S. Person, M. Heimdahl, and D. You, Are We There Yet? Determining the Adequacy of Formalized Requirements and Test Suites. In *Proceedings of NASA Formal Methods Symposium*, pages 279–294, April 2015. (*acceptance rate: unknown*)

4. L. Zhang, G. Yang, N. Rungta, S. Person, and S. Khurshid, Feedback-Driven Dynamic Invariant Discovery. In *Proceedings of the International Symposium on Software Testing and Analysis*, pages 362–372, San Jose, CA, USA, July 2014. (*acceptance rate: 28%*)

5. G. Yang, S. Khurshid, S. Person, and N. Rungta, Property Differencing for Incremental Checking. In *Proceedings of the 36th International Conference on Software Engineering*, pages 1059–1070, Hyderabad, India, May 2014. (*acceptance rate: 20%*)

6. B. Ray, M. Kim, S. Person, and N. Rungta, Detecting and Characterizing Semantic Inconsistencies in Ported Code. In *Proceedings of 28th IEEE/ACM International Conference on Automated Software Engineering*, pages 367–377, Palo Alto, CA, USA, November 2013. (*acceptance rate: 23%*)

7. J. Backes S. Person, N. Rungta, and O. Tkachuk, Regression Verification Using Impact Summaries. In *International SPIN Symposium on Model Checking of Software*, pages 99–116, Stony Brook, NY, USA, July 2013. (*acceptance rate: unknown*)

8. N. Rungta, S. Person, and J. Branchaud, A Change-impact Analysis to Characterize Evolving Program Behaviors. In *Proceedings of the 28th IEEE Conference on Software Maintenance*, pages 109–118, Riva del Garda, Trento, Italy, September 2012. (*acceptance rate: 25%*)

9. S. Person, G. Yang, N. Rungta, and S. Khurshid, Directed Incremental Symbolic Execution. In *Proceedings of the 32nd ACM SIGPLAN Conference on Programming Language Design and Implementation*, pages 504–515, San Jose, CA, USA, June 2011. (*acceptance rate: 23.3%*)

10. S. Person and M. Dwyer, Generalized Abstract Symbolic Summaries for Differencing Heap-manipulating Programs. In *Proceedings of the First NASA Formal Methods Symposium*, pages 46-55, Moffett Field, CA, USA, April 2009. (*acceptance rate: unknown*)

11. S. Person, M. Dwyer, and S. Elbaum, Differential Symbolic Execution. In *Proceedings of the 16th ACM SIGSOFT Symposium on Foundations of Software Engineering*, pages 226–237, Atlanta, GA, USA, November 2008. (*acceptance rate: 20%*)

12. C.S.Păsăreanu, P.C.Mehlitz, D.H.Bushnell, K.Gundy-Burlet, M. Lowry, S. Person, and M. Pape, Combining Unit-level Symbolic Execution and System-level Concrete Execution for Testing NASA Software. In *Proceedings of the International Symposium on Software Testing and Analysis*, pages 15–26, Seattle, WA, USA, July 2008. (*acceptance rate: 26%*)

13. M. Dwyer, S. Elbaum, S. Person, and R. Purandare, Parallel Randomized State-space Search. In *Proceedings of the 29th International Conference on Software Engineering*, pages 3–12, Minneapolis, MN, USA, May 2007. (*acceptance rate: 15%*)

14. M. Dwyer, S. Person, and S. Elbaum, Controlling Factors in Evaluating Path-sensitive Error Detection Techniques. In *Proceedings of the 14th ACM SIGSOFT Symposium on Foundations of Software Engineering*, pages 92–103, Portland, OR, USA, November 2006. (*ACM SIGSOFT Distinguished Paper)* (*acceptance rate: 20%*)

Conference Presentations/Posters and Short Contributions

1. M. Waterloo, S. Person, and S. Elbaum, Test Analysis: Searching for Faults in Tests. In *Proceedings of Automated Software Engineering (New Ideas Track)*, pages 149-154, Lincoln, NE, USA, November 2015.

2. R. Kersten, S. Person, N. Rungta, and O. Tkachuk, Improving Coverage of Test Cases Generated by Symbolic PathFinder for Programs with Loops. In *ACM SIGSOFT Software Engineering Notes (Proceedings of the Java PathFinder Workshop)*, DOI: 10.1145/2693208.2693243, Salt Lake City, UT, USA, November 2014.

3. Y. Wang, S. Person, S. Elbaum, and M. Dwyer, A Framework to Advise Tests Using Tests. In *Proceedings of the 36th International Conference on Software Engineering (NIER Track)*, pages 440-443, Hyderabad, India, May 2014.

4. N. Rungta, O. Tkachuk, S. Person, J. Biatek, M. Whalen, J. Castle, and K. Gundy-Burlet, Helping System Engineers Bridge the Peaks. In *Proceedings of the Fourth International Workshop on the Twin Peaks of Requirements and Architecture*, pages 9-13, Hyderabad, India, May 2014.

5. A. Sarma, S. Person, N. Rungta, J. Branchaud, and M. Dwyer, Development Context Driven Change Awareness and Analysis Framework. In *Proceedings of the 36th*

International Conference on Software Engineering (NIER Track), pages 404-407, Hyderabad, India, May 2014.

6. B. Hillery, E. Mercer, N. Rungta, and S. Person, Towards a Lazier Symbolic PathFinder. In *ACM SIGSOFT Software Engineering Notes (Proceedings of the Java PathFinder Workshop)*, DOI: 10.1145/2557833.2560579, Palo Alto, CA, USA, November 2013.

7. L. Zhang, G. Yang, N. Rungta, S. Person, and S. Khurshid, Invariant Discovery Guided by Symbolic Execution (Extended Abstract). In *ACM SIGSOFT Software Engineering Notes (Proceedings of the Java PathFinder Workshop)*, Palo Alto, CA, USA, November 2013.

8. E. Mercer, S. Person, and N. Rungta, Computing and Visualizing the Impact of Change with Java PathFinder Extensions. In *ACM SIGSOFT Software Engineering Notes (Proceedings of the Java PathFinder Workshop)*, Cary, NC, USA, November 2012.

Other Publications

1. R. Siminiceanu, P. Miner, and S. Person, A Methodology for Evaluating Artifacts Produced by a Formal Verification Process (Technical Report). NASA/TM-2011-217193. November 2011.

2. M. Dwyer, R. Purandare, and S. Person, "Runtime Verification in Context: Can Optimizing Error Detection Improve Fault Diagnosis?" in Proceedings of the First International Conference on Runtime Verification (RV), November 2010 (Invited Paper).

Dissertation

- S. Person. Differential Symbolic Execution. *Ph.D. Dissertation, University of Nebraska-Lincoln.* August 2009.

Publicly Available Software

1. C Impact Analysis Framework. NASA Invention Disclosure e-NTR#:1393341390. Released under NOSA open source license. Available from: `https://invention.nasa.gov/`.

2. Java Impact Analysis Framework. NASA Invention Disclosure e-NTR#:139274578. Released under NOSA open source license. Available from: `https://invention.nasa.gov/`.

3. Abstract Syntax Tree Revision Observer (ASTro). Released under Apache open source license. Available upon request.

4. Bug Hunt: Web Tutorial to Assist Learning of Software Testing in CS1 and CS2. Available upon request from Sebastian Elbaum.

Internally Funded Grants

1. "Software Engineering First Curriculum Assessment," UNL Social and Behavioral Research Consortium Voucher Award, June 2016 to December 2016, $5,000. Co-PI: G. Nugent.

Other Research Accomplishments

1. **Test of Time Award:** S. Person, M. B. Dwyer, S. Elbaum, and C. Păsăreanu, "Differential Symbolic Execution," *ACM Joint European Software Engineering Conference and Symposium on the Foundations of Software Engineering (ESEC/FSE)*, Lake Buena Vista, FL, November 4 - 9, 2018.

2. **Outstanding Graduate Research Assistant**, Department of Computer Science and Engineering, University of Nebraska–Lincoln, 2008.

3. **Anita Borg Memorial Scholarship Finalist**, Google, 2007.

4. **Distinguished Paper Award:** M. B. Dwyer, S. Person, and S. Elbaum, "Controlling Factors in Evaluating Path-sensitive Error Detection Techniques," *Proceedings of the 14^{th} ACM/SIGSOFT Symposium on the Foundations of Software Engineering (FSE)*, Portland, OR, November 8 - 13, 2006.